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- (21) Application No 0026347.5 (51) INT CL7 H04N 5/262 (22) Date of Filing 27.10.2000 (52) UK CL (Edition T) H4F FGH F15 (71) Applicant(s) **H4T TCHD T123** Canon Kabushiki Kaisha (Incorporated in Japan) (56) Documents Cited 30-2 3-chome, Shimomaruko, Ohta-ku, Tokyo, Japan GB 2287604 A US 4879597 A (72) Inventor(s) Richard Antony Kirk (58) Field of Search
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- UK CL (Edition T) H4F FAAX FCW FGG FGH FGJ FGS FGT, H4T TCHA TCHD Online: EPODOC, WPI, PAJ
- (54) Abstract Title Generation of composite images by weighted summation of pixel values of the separate images
- (57) Pixel data are received for two images of different views wherein at least a portion of the first and second views overlaps. Preference data identifying the relative preference for utilising pixel data from the first set, and difference data indicative of the difference in pixel data between the first set and the second set of pixel data in the overlap region of the images are utilised to form a composite image. For each overlap pixel in the composite image a composite pixel value is determined by summing the pixel data from the two sets of pixel data by applying weighting factors selected on the basis of the preference data and the difference data. The invention is described as being utilised in a system for texture rendering a generated three-dimensional computer model of objects within images.

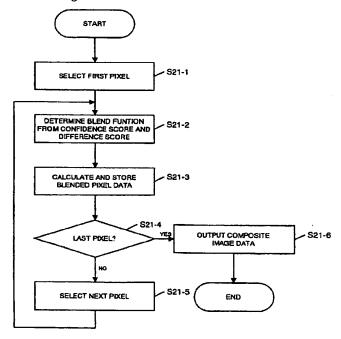
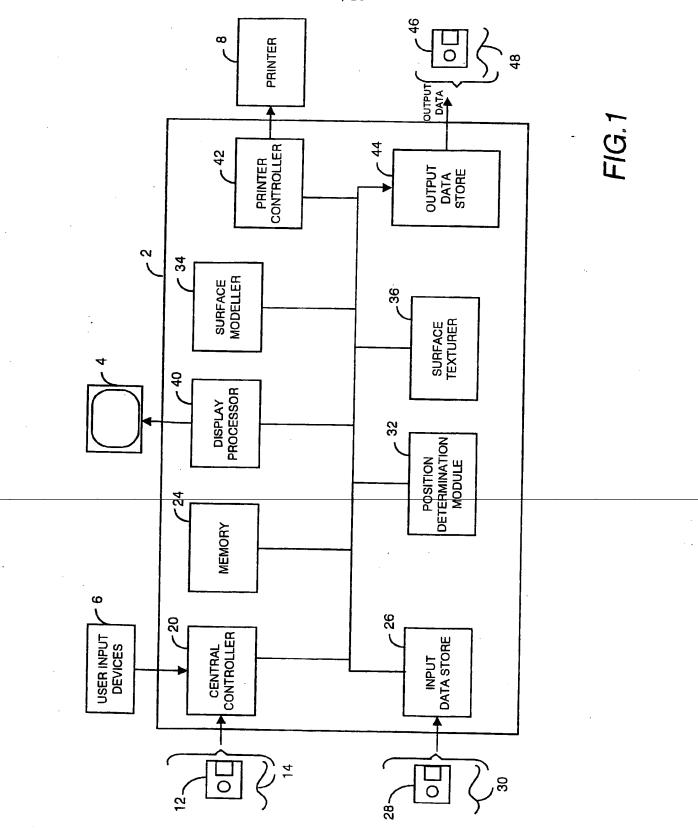
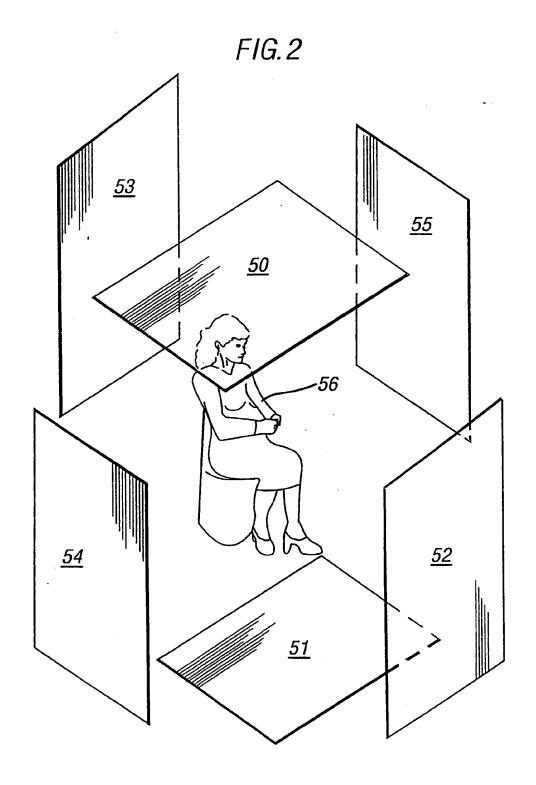


FIG. 21





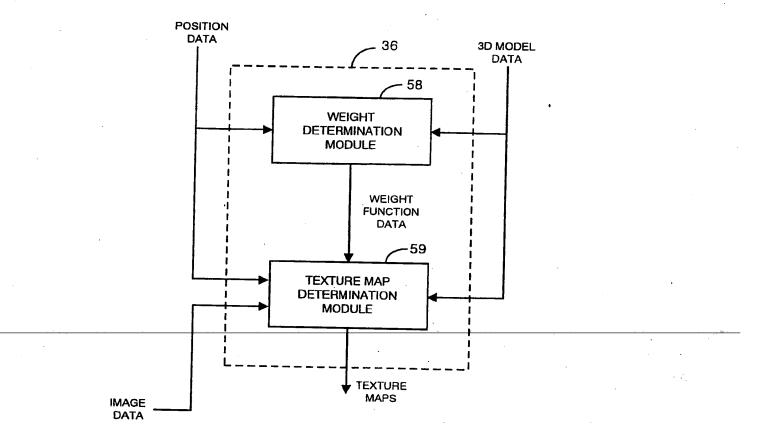
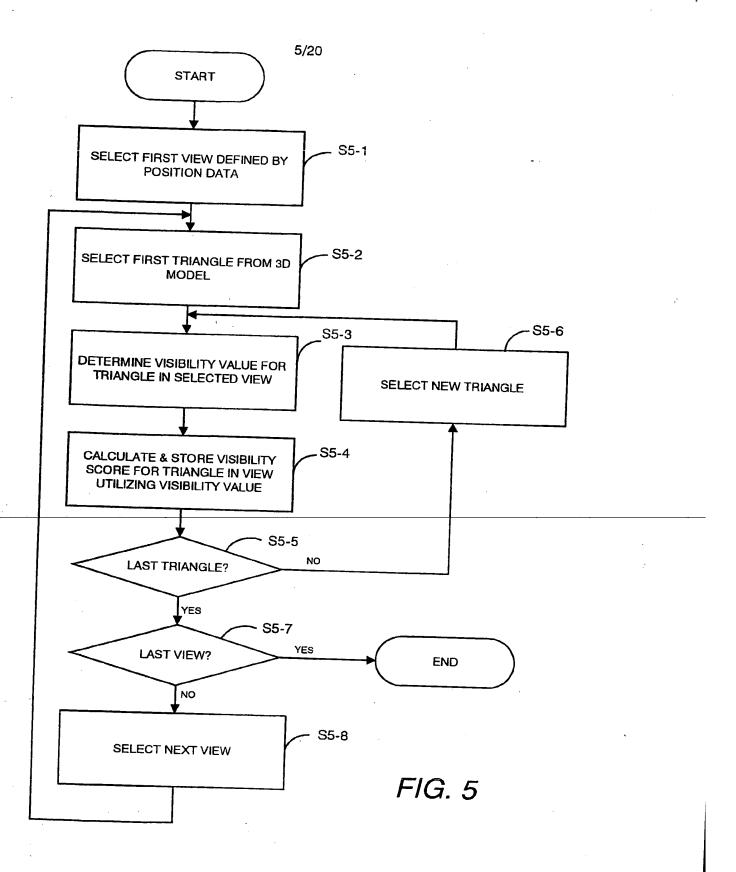
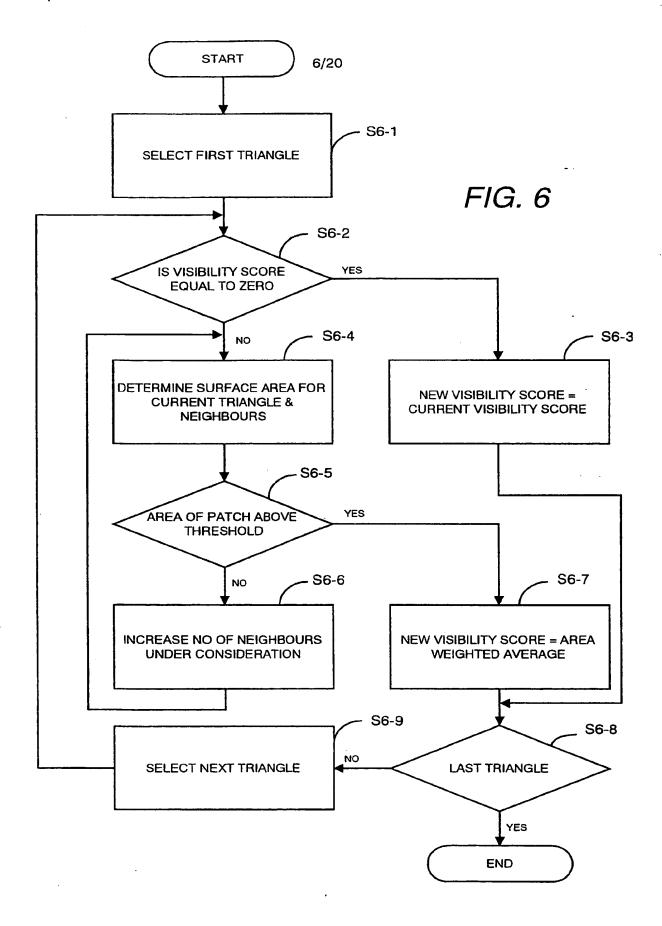


FIG. 3

FIG. 4





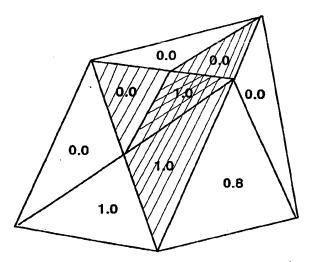


FIG. 7

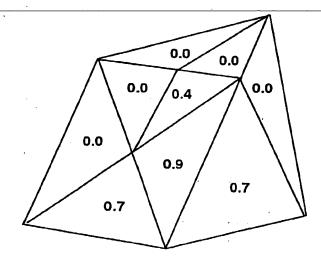
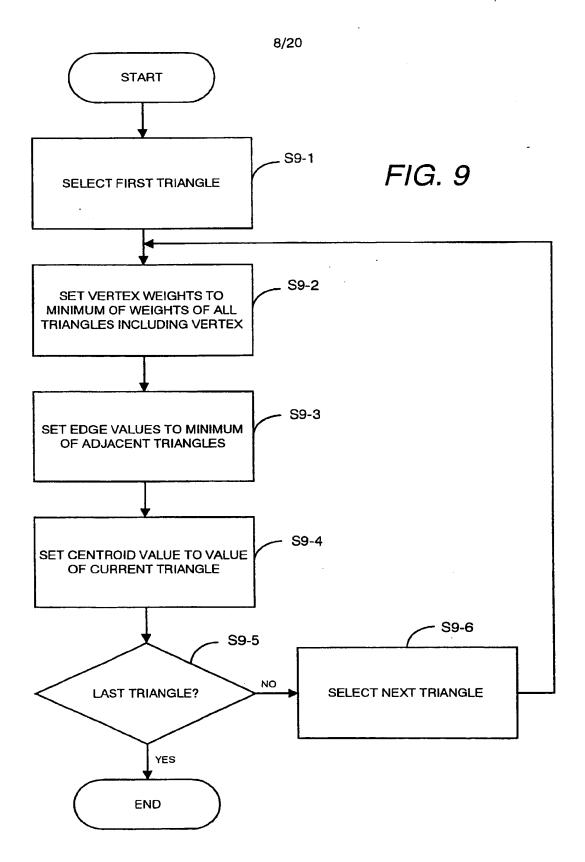


FIG. 8



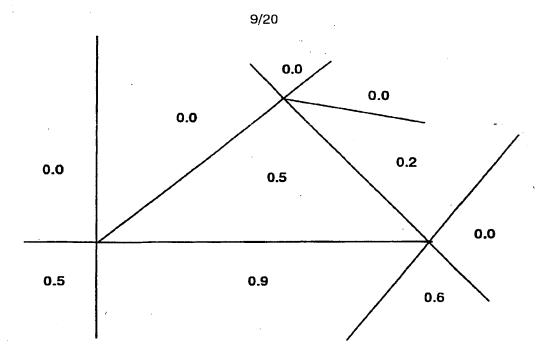
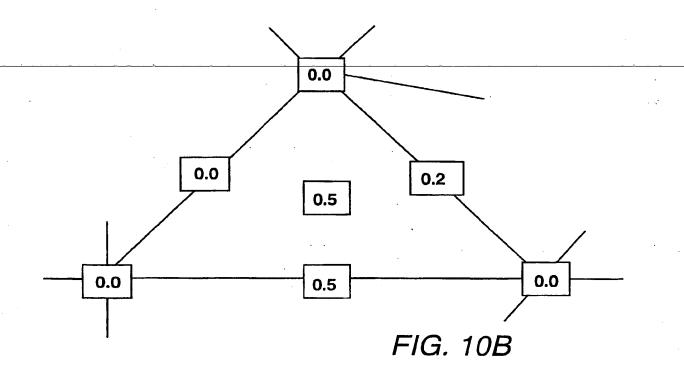


FIG. 10A



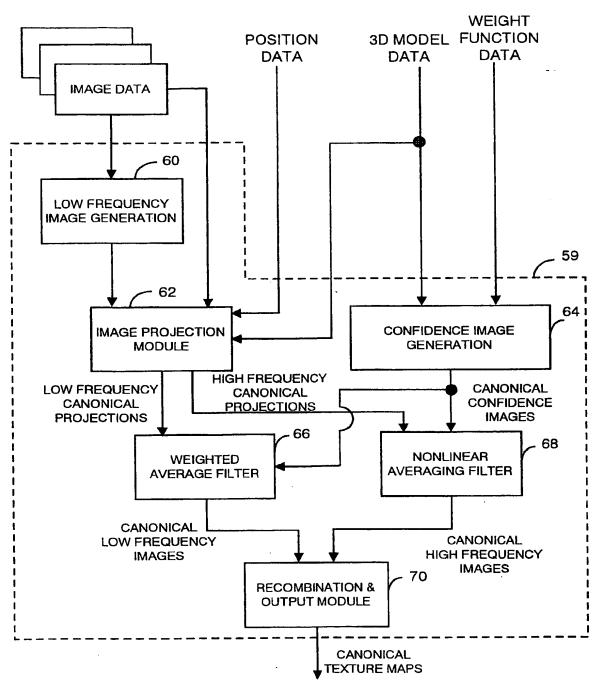
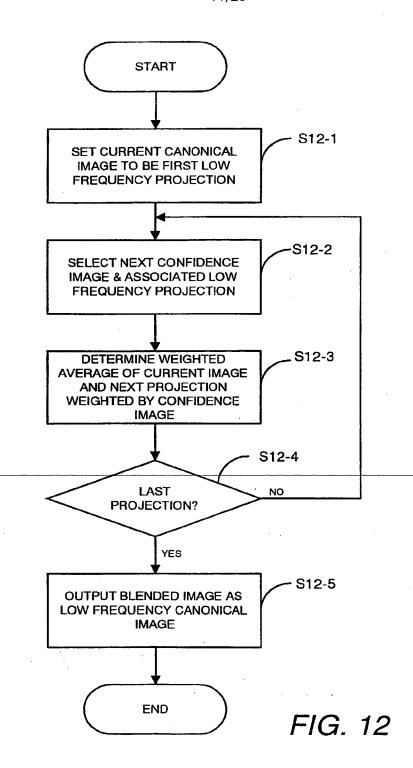
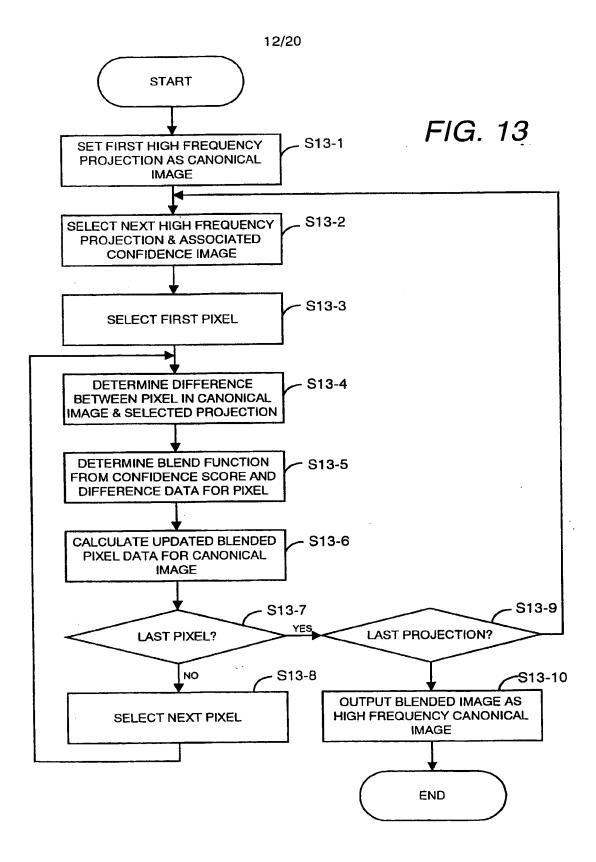


FIG. 11





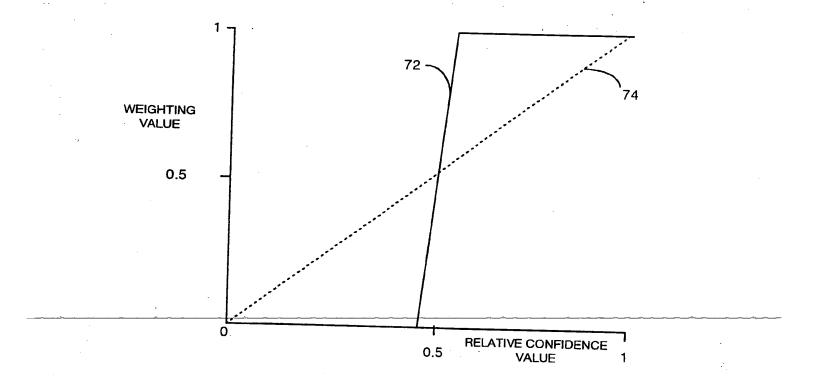


FIG. 14